CURRICULUM VITAE

Robert Spears, PhD, MS, BS Associate Dean for Academic Affairs Professor, Department of Diagnostic and Biomedical Sciences

Address:	7500 Cambridge Street, Suite #4120
	Houston, Texas 77054-9907

Citizenship: United States

Education Undergraduate Education:

1979 BS, Biology, Texas A&M University, College Station, Texas

Graduate Education:

1994	MS, Anatomy, Baylor University, Waco, Texas
2002	PhD, Biomedical Sciences. Texas A&M University System Health Science Center, College Station, Texas

Academic and Administrative Appointments:

1/2015 – present	Associate Dean for Academic Affairs, University of Texas School of Dentistry at Houston
1/2015 – Present	Professor, tenure track, Department of Diagnostic and Biomedical Sciences, University of Texas School of Dentistry at Houston
9/2013 - 1/2015	Professor, tenured Texas A&M University Baylor College of Dentistry, Dallas, Texas
10/2012 to 1/2015	Director of Curriculum Texas A&M University Baylor College of Dentistry, Dallas, Texas
6/2008 to 9/2013	Associate Professor, tenured Texas A&M Health Science Center Baylor College of Dentistry, Dallas, Texas
7/2007 to 1/2015	Director of Student Research Texas A&M Health Science Center Baylor College of Dentistry, Dallas, Texas

6/2002 to 6/2008	Assistant Professor, non-tenured Department of Biomedical Sciences Texas A&M Health Science Center Baylor College of Dentistry, Dallas, Texas
6/94 to 6/2002	Instructor Department of Biomedical Sciences Baylor College of Dentistry, Dallas, Texas

Professional Organizations (and Committees of these):

National:

American Association for Dental Research (AADR), 1986 – present AADR National Student Research Group Faculty Advisor, 2001-2010 AADR Fellowships Committee, 2010-2013, to 2015-present Neuroscience Group of the AADR

American Dental Association

Basic Sciences Site Visitor for Commission on Dental Accreditation American Dental Education Association (ADEA)

ADEA Annual Session Planning Committee, 2013-2015

ADEA Council of Faculty Representative, 2003-present

ADEA Commission on Change and Innovation, 2006-present

ADEA Anatomy Section, 1996-present

American Association of Anatomists

American Association of Anatomists Educational Affairs Committee 2005-2009

Sigma Xi

Microscopy Society of America

State:

State Anatomical Board of Texas

Texas Society for Electron Microscopy

Elected as Program Chair, Texas Society of Electron Microscopy, March 1995-April 1998.

Local:

Dallas Chapter of the AADR

Elected as President, Dallas Section of the AADR, 1998 Elected as Vice-President, Dallas Section of the AADR, 1997

Summary of Awards

2016	John H. Freeman Award For Excellence in Didactic Teaching	
2014	Texas A&M University Baylor College of Dentistry Teacher of the Year	
2014	Institutional Service Award, Texas A&M University Baylor College of Dentistry	f
Luby 0, 2015		

July 2, 2015

Robert Spears, PhD, MS

- 2014 Mentor, Kelsey Stevens, Finalist in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2013 Nominated from the HSC for the Piper Professor Award
- 2012 AADR National Student Research Group Mentor of the Year Award
- 2012 Graduate of the ADEA Leadership Institute
- 2012 Inducted into Omicron Kappa Upsilon National Dental Honor Society
- 2012, Mentor, Cara Kessler, Finalist in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2012 Mentor, Anne Lindley, Finalist in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2010 Mentor, Ida Khobahy, AADR Student Research Fellowship, 2010
- 2010 Mentor, Karen Liang, Finalist, Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2009 Mentor, Jonathan Blansett, Finalist in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2009 Mentor, Dana Doan, Finalist in Clinical Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2009 Mentor, Paige Priour, Finalist in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2008 Awarded a Teaching Fellowship from the Harvard Macy Institute's Program for Educators in the Health Professions 2008
- 2008 Harvard Macy Scholar
- 2007 AADR/ADEA Academic Dental Careers Fellowship-David Hoffman
- 2006 TAMHSC-Baylor College of Dentistry Teacher of the Year
- 2006 Mentor, Andrea Janik Keith, AADR Student Research Fellowship.
- 2004 American Association of Anatomists Basmajian Award (given to one individual a year for being an outstanding young teacher and researcher)

- 2004 Mentor, John Roberts, Finalist for Langman Grad Student Award at Experimental Biology Meeting.
- 2004 Mentor, Mike Ryan, 3rd Place in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 2003 Mentor, Andi McPhillips, 1st Place in Basic Sciences Poster Competition at Hinman National Student Research Meeting.
- 2000 Mentor, Graciela Alaniz, Secretary's Award for Innovations in Health Promotion and Disease Prevention, Department of Health and Human Services.
- 1999 Mentor, Lori Dees, Finalist in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 1999 Mentor, Masha Sapozhnikov, Finalist in Basic Sciences Division of the AADR Caulk/Denstply Student Competition.
- 1998 Mentor, Masha Sapozhnikov, Finalist in ADA Caulk-Dentsply Student Competition at 1998 ADA Meeting
- 1997 Baylor College of Dentistry Teacher of the Year 1997

Editorial Positions:

Editorial Boards:

2007 - present The Open Dentistry Journal

Journal Reviewer:

2005-2007	Anatomical Record
2008-present	Archives of Oral Biology
2006	Bone
2009	Cells, Tissues, Organs
2011	European Journal of Pain
2008-present	Journal of Dental Education
2004-present	Journal of Dental Research
2009-2012	Journal of Oral Pathology and Medicine
2010	Physiology and Behavior

Book Chapter Review:

2006-2007 Icon Educational Publishing- Netter's Atlas of Head & Neck Anatomy for Dentistry.

- 2008-2009 EMC/Paradigm Publishing-Applied Anatomy and Physiology-A Case Based Approach
- 2008-2009 EMC/Paradigm Publishing-Applied Anatomy and Physiology-Workbook and the accompanying Flash scripts for the companion CD

Consultantships:

Teaching Consultantships:

- 2008-2010 Texas A&M University System Health Science Center College of Medicine-Oral Histology in the Medical Curriculum,
- 2001-2002 University of Las Vegas School of Dentistry-Research in the Dental Curriculum
- 1999-2001 Consultant to Austin College Preceptor Program

Committees (Present):

The University of Texas Health Science Center at Houston

2015 - present Academic Council 2015 – present Interprofessional Education Committee The University of Texas School of Dentistry at Houston Administrative Council 2015 – present Clinical Success Task Force Committee 2015 – present 2015 – present **Curriculum Committee** 2015 – present Geriatric Dentistry in the Curriculum Committee 2015 – present **Outcomes Assessment Committee** 2015 – present Threat Assessment Committee 2015 – present Search Committee, UTSD Director of Dental Hygiene

Committees (Past):

Texas A&M University Baylor College of Dentistry Committees:

Director of Student Research 1998-2015

Admissions Committee 1997-2015

Curriculum Committee 1998-2002, 2006-2015

Research Advisory Committee, 2000-2015

Student Integrity Issues Committee, Chair, 2014-2015

Hall of Fame Committee, 1999-2015

Facilities Development Advisory Committee, 2003-2015

Awards Committee, 2006-2009

Research Committee 1995-1998

Strategic Focus Committee Member, 1998-1999.

Strategic Focus Task Force-Students as Active Learners, 1997-1999 (Chair)

Strategic Focus Task Force-Criteria for Entering Dental School, 1997-1999

Strategic Focus Task Force-Evaluating Student Competency, 1997-1999

Baylor Oral Health Foundation Grant Review Committee 1998-1999

Teacher of the Year Award Committee 1998-2000

Summer Pre-Dental Enrichment Program 1993 to 2012

College and Career Day 1994 to 1996

Departmental

Biomedical Sciences Undergraduate Curriculum Committee 1997-2015

BMS Chair's Advisory Committee 2002-2006

Biomedical Sciences Seminar Committee (Chair) 1994-1996

Biomedical Sciences Resources Committee 1994-2002

State

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State Anatomical Board Representative 2003-present, Vice President

Accreditation Site Reviewer for Texas Higher Education Coordinating Board 2007-2009

National

ADA CODA Commission Consultant 2009-present

ADEA Annual Session Planning Committee, 2013-2015

ADEA CCI Committee, 2006-present

ADEA Council of Faculties 2003-2015

AADR National Student Research Group 2001-2010

AADR Fellowships Committee 2010-2013, Chair 2013, 2014-present

American Association of Anatomists Educational Affairs Committee 2005-2009

Membership on Thesis and Supervisory Committees (Present):

Thesis/Dissertation Committees

Dr. Megan Miller, MS, Pediatric Dentistry, 2016 to present

DDS Research Project Supervision

Mason Borth, 2015 Chandler Choate, 2015

Membership on Thesis and Supervisory Committees (Past):

Texas A&M University Baylor College of Dentistry

Thesis/Dissertation Committees

Chair

Chrissy Barry, Biomedical Sciences, 2011-2012 Hageer Glessa, Biomedical Sciences, 2009-2010 Cara Smith, Biomedical Sciences, 2008-2010 Katie Olsen, Endodontics, 2006-2008 Mike Ryan, Prosthodontics, 2006-2011 Sloan Hildebrand, Prosthodontics, 2004-2009 John Roberts, Biomedical Sciences, 2002-2005

Member

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Crystal Johnson, PhD, Biomedical Sciences, 2011-2015 Brittney Bare, MS, Orthodontics, 2012-2015 Jonathan Blansett, MS, Periodontics, 2012-2014 Jie Liu, MS, Periodontics, 2011-2013 Lauren Carney, MS, Orthodontics, 2010-2012 Collin Kraus, MS, Orthodontics, 2010-2012 Ryan Swapp, MS, Orthodontics, 2010-2012 Jyoti Puri, PhD, Biomedical Sciences, 2006-2011 Mani Chopra, PhD, Biomedical Sciences, 2006-2009 Carmen Casas, MS, Orthodontics, 2006-2007 Megan Hembree, MS, Orthodontics, 2006-2007 Julia Chang, DDS/PhD, Biomedical Sciences, 2005-2007 Wenli Yu, DDS/PhD, Biomedical Sciences, 2005-2009 Aparna Naidu, MS, Oral Pathology, 2005-2007 Mohammed Mohammed, MS, Endodontics, 2003-2005 Brody Hildebrand, MS, Ortho/Prosthodontics, 2003-2007 Christine Foley, MS, Periodontics, 2006-2009 Matt Heaton, MS, Periodontics, 2005-2007 Tony Dacy, MS, Periodontics, 2004-2006 Erik Harrington, DDS/PhD, Biomedical Sciences, 2003-2007 Ana Lucia Perez, MS, Endodontics, 2003-2005 Michael Sparks, MS, Periodontics, 2003-2005 Candace Trasatti, MS, Endodontics, 1999-2001 Karla Hamm, MS, Endodontics, 1999-2001

Graduate Student Non-Thesis Supervision

Jordan Bolles, Endodontics resident, 2010-2012 Homa Azergoon, Endodontics resident, 2008-2010 Ben Williams, Endodontics resident, 2008-2010 Darren Hess, Endodontics resident, 2008-2010 Alejandro Rios, Endodontics resident, 2008-2010 David Bird, Endodontics resident, 2010-present

DDS Research Project Supervision

Mason Borth, 2015 Chandler Choate, 2015 Christina Barry, 2014 Chandler Choate, 2014 Gabrielle Dizon, 2014 Jonathan Hawley, 2014 Ben Lively 2013 Madison Mack 2013 Kelsey Stevens 2013 Collin Burns 2012

Megan Girndt 2012 Sydney Jones 2012 Kelsey Stevens 2012 Shanna Williams 2012 Cara Kessler 2011 Anne Lindley 2011 Sheala Martin 2011 Ryan Darr 2010 Ida Khobahy, 2010 Rosanna Puente 2010 Cara Smith 2010 Sara Vaughn 2010 Jennifer Lee 2009 Karen Liang 2009 Paige Priour 2009 Jonathan Blansett, 2008 Dana Doan, 2008 Paige Priour, 2008 Dakota Davis, 2007 Johnny Reed, 2007 Lindsey Loveless, 2007 Stephanie Bangs, 2006 Andrea Janik Keith, 2006 Anita Jhangiani, 2006 Johnny Reed, 2006 Liz Campos. 2005 Julie Longoria, 2005 Alejandra Rivas, 2005 Michael Robertson, 2005 Lauren Davis, 2004 Shireen Irani, 2004 Joe Parker, 2004 Kim Jackson, 2003 Courtney Keel, 2003 Mike Ryan, 2003 Andrea McPhillips, 2002 Julie Ward, 2002 Carly Moore, 2001 Raenie Oakes, 2000 Kim Hansen, 1999 Tien Nguyen, 1999 Graciela Alaniz, 1998 Matt Gibbs, 1998 Brian Stone, 1998 Lorie Dees, 1997 Masha Sapozhnikov, 1997

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Angie Wardlaw, 1996 Nathan Cotton, 1995 Ericka Dyer, 1995

Undergraduate Student Supervision

Ann Lindley, Texas A&M University, 2010 Mikael Garces, Texas A&M University, 2009 Sarah Jenkins, Vanderbilt University, 2006, 2007 Paul Hoffmeyer, Austin College, 2004 Alana Macalik, University of Texas at Austin, 2003 Kristen Bruce, University of Texas at Arlington, 2002

Student Advising Present:

Undergraduate

Ashley Garza, 2015-present Heather Hartline, 2015-present Alison Haynie, 2015-present Luke Mack, 2015-present Virginia Velez, 2015-present Sarah Jensen, 2015-present Alexandra McCallum, 2015-present Megan Short, 2015-present Brennan Welch, 2015-present Daryl Stein, 2016-present Kenni Sunga, 2016-present

Teaching Responsibilities: (Current) The University of Texas School of Dentistry at Houston		
Academic Year	Teaching Responsibility	
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2014-2015	Lecturer, Oral Biology II, 1514 Lab Instructor, Head and Neck Anatomy, 1512 Lecturer, National Dental Board Exam Part I Review, 2901
2015-2016	Lecturer, Oral Biology II, 1514 Lecturer and Lab Instructor, Head and Neck Anatomy, 1512 Lecturer, Neuroscience, 1504 Lecturer. Human Biology, 1513 Lecturer, Biomedical Sciences Core, 1510 Small Group Facilitator, Clinical Applications I, 1543 Fill In Small Group Facilitator, Clinical Applications II, 1544

Course Director, National Dental Board Exam Part I Review, 2901

Teaching Responsibilities: (Past) Texas A&M University Baylor College of Dentistry

Academic Year Teaching Responsibility

DDS Courses

General Histology 6600, 1994-2000, 2002-2015, Lecturer and Lab Instructor

Gross Anatomy 6640, 1994-2000, 2002-2015, **Course Director** 1996-2000, 2002-2005, 2012-2015, also Lecturer and Lab Instructor

Oral Histology 6820, 1994-2015, **Course Director** 2006-2015, also Lecturer and Lab Instructor

Introduction to Evidence Based Dentistry and Clinical Research 6860, small group leader. 2010-2015

Application of Evidence Based Dentistry I 7400, small group leader, 2011-2015

Application of Evidence Based Dentistry II 8034, small group leader, 2012-2015

Selective Course-Responsible Conduct in Research S-92, **Course Director**, 1998-2015

Graduate Courses

Microscopy and Associated Techniques 5320, **Course Director**, 1989-2015

Cell and Molecular Biology of Craniofacial Tissues I 5V40, Lecturer, 2007-2013

Cell and Molecular Biology of Craniofacial Tissues II 5V42, Lecturer, 2007-2013

Special Topics in Biomed Sciences 5V91, Lecturer, 2007-2013

Dental Hygiene Courses

Human Body 3240, Lecturer, 1994-2011

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National Board Review 4010, Lecturer, 2006-2015

Undergraduate Courses

Biomedical Sciences 101 (BIMS 101), at Texas A&M University, Lecturer, 2004-2014

Teaching Awards

Texas A&M University Baylor College of Dentistry Teacher of the Year 2014

Nominated from the HSC for the Piper Professor Award, 2013

Selected to the ADEA Leadership Institute, graduate 2012

Awarded a Teaching Fellowship from the Harvard Macy Institute's Program for Educators in the Health Professions 2008

Awarded a Teaching Fellowship from the Harvard Macy Institute's Program for Educators in the Health Professions 2008

TAMHSC-Baylor College of Dentistry Teacher of the Year 2006

American Association of Anatomists Basmajian Award, 2004 (given to one individual a year for being an outstanding young teacher and researcher)

Baylor College of Dentistry Teacher of the Year 1997

Teaching Materials Developed

Designed the Graduate Scanning Electron Microscopy and Associated Techniques course and what is now the Microscopy and Associated Techniques course.

Designed the Responsible Conduct and Ethics in Research Selective Course that supports the Short Term Training Program for summer student research.

Involved in the planning and design of the Dental Hygiene Biomedical Sciences 3250 course.

Developed the BCD Academic Careers Fellowship Program

Designed Mock Practicals for use in laboratory portion of the course. Continue to be used and consistently receive high approval ratings with the students.

Designed the Comprehensive Head and Neck Retake exam for those students who do not pass the required Comprehensive Head and Neck exam. Continues to be used and is an effective tool for comparing students from year to year. Implemented the use of a case report at the beginning of the course on "Cause of death of your cadaver". Continues to be used as an effective tool for students to understand relevancy of certain diseases to course material.

Began Sunday sessions for exam reviews instead of typical review during the week. Met with high approval rating since students will have studied material and are actually able to participate in the review.

Increased number of case studies used during the gross anatomy course as a means of demonstrating clinical relevancy of didactic material taught in the course.

Worked with various clinical faculty to incorporate clinical correlations into Gross Anatomy.

At different years of the course have used a 1 Minute paper after lectures to get immediate feedback from students, Case of the Week where students present weekly on cases relevant to topics discussed that week in lecture, and midcourse evaluations to get more immediate feedback on issues within the course.

Developed a CD-ROM program for laboratory review of Oral Histology

Grant Support

2012-2017 Co Investigator HRSA Bridge to Dentistry: Awareness to Practicing/Teaching/Research grant. 10% Effort, \$2,500,000

2009-2012 Co Investigator HRSA Bridge to Dentistry: Health Careers Opportunity Program (HCOP) Grant, 5% Effort, \$2,000,000.

2010-2011 Collaborator NIH NIDCR R43 SBIR Phase II grant 5%. Instrument System and Technique for Minimally Invasive Periodontal Surgery (MIS)

2009-2010 Co-Primary Investigator NIH NIDCR SBIR Phase I Grant 1R43DE019743-01 \$99, 858 20% effort. Novel Treatment for the Relief of Chronic Orofacial Pain

2007-2009 Co-Investigator (Lynne Opperman PI) NIH/NIDCR SBIR Grant R44 DE15437. \$352,716 10% effort. Osseoinductive surface treatment for dental implants.

2005-2009 Co-Investigator (Larry Bellinger PI), NIH/NIDCR RO1. \$1,000,000. 10% effort. Sex steroids and TMJ pain.

2005-2006 Primary Investigator, Texas A&M University System Health Science Center Research Funds, \$15,000. An investigation on sex hormones and inflammation of the TMJ.

2005-2006. Co-investigator (Lynne Opperman PI), NIH/NIDCR SBIR grant, \$48,285, 10% effort. Osseoinductive surface treatment for dental implants.

2003 Primary Investigator, Baylor Oral Health Foundation, \$10,000. The Role of TGF-beta 3 in Palate Fusion.

2001 Primary Investigator, Baylor Oral Health Foundation, \$6,500. An investigation on the effects of tumor necrosis factor in adjuvant-induced inflammation of the TMJ.

1999 Co-Investigator, American Association of Orthodontics, \$14,000.00. The effects of growth factors upon bone healing during distraction osteogenesis.

1999 Co-Investigator, Baylor College of Dentistry Intramural Grant, \$6591.00. The effects of estrogen and progesterone on adjuvant-induced TMJ inflammation.

1996 Co-Investigator, Small Grants in Craniofacial Research, Craniofacial Center for Research and Development, Baylor College of Dentistry, \$10, 000.

The effects of capsaicin on the innervation of the TMJ in adult female rats. Baylor College of Dentistry Research Fund, 1993 to 1994, \$1,500.

Invited Presentations

National Present

American Dental Education Association, Let's Listen to Students About Technology, 2016, Denver

American Dental Education Association, Anatomical Sciences Short Talks, "Converting From Cadaveric Dissection to Plastinated Specimens", 2016, Denver.

National Past

Meet A Mentor Session, American Association for Dental Research, "How Student Research Can Affect Your Career Pathway", 2014.

University of Mississippi Medical Center College of Dentistry, Keynote Speaker, Research Day, "Incorporating Student Research Into a Non-Research Intensive Dental School Curriculum", 2011 American Association of Anatomists, "Teaching Histology in the Medical Curriculum", 2009, New Orleans

American Association of Anatomists, "The Teaching of Fascia in the Curriculum", 2008, Washington DC

Moyer's Symposium, Ann Arbor, Michigan, "Involvement of the sympathetic nervous system in chronic pain", February 2008

American Association of Anatomists, "Anatomy for the Non-Medical Student", April, 2006, San Diego, CA.

University of Las Vegas School of Dentistry, "Incorporating Student Research Into a New Dental School Curriculum", April, 2003.

State Present

Texas A&M University PreDental Society, "A Different Method of Teaching Anatomy at the University of Texas School of Dentistry at Houston", March, 2016.

State Past

Distinguished Lecture Series, Texas A&M University-Corpus Christi, "Research and Academics in the Dental School". 2014.

Texas A&M University PreDental Society, "Student Research at Baylor College of Dentistry", October, yearly 2005-2014.

Texas A&M Health Science Center College of Medicine, "Oral Health and Dentistry", yearly 2005-2008, 2011.

SMU PreDental Society, "Research in Dentistry", March, 2012

Texas A&M Health Science Center College of Medicine, "Oral Health in Medicine", January, 2012.

Texas Pain Symposium, Baylor College of Dentistry, "Neuropeptides in adjuvantinduced inflammation of the TMJ", January, 2000.

Texas Pain Symposium, University of Texas Health Science Center at San Antonio, "Inflammatory mediators in adjuvant-induced inflammation of the TMJ", February, 1999.

Local Present

University of Texas School of Dentistry at Houston Impressions Day, 2015, 2016

Houson Hispanic Dental Society, "The Anatomy of Dental Implant Placement", 2016.

Local Past

Baylor College of Dentistry Family Day, yearly from 2004 to present, "The good, the bad, and the ugly of dental education".

Programs and symposiums organized

National

American Association of Anatomists, "Teaching Histology to the Medical Student" April, 2009, New Orleans, La, 80 attendees, primary organizer.

American Association for Dental Research, Symposia, "How to Involve Students in a Research Experience", March, 2009, Miami, FI, 90 attendees, co-organizer.

American Association of Anatomists, "Organization and function of the fascia" April, 2008, San Diego, CA, 120 attendees, primary organizer.

American Association of Anatomists, "Anatomy for the Non-Medical Student" April, 2006, San Diego, CA, 60 attendees, primary organizer.

Lunch and Learn Session "Getting Involved in Student Research", March, 2005 at AADR meeting in Baltimore, MD, 20 attendees, primary organizer.

Lunch and Learn Session "How to Improve your Local Student Research Group", March, 2003 at AADR meeting in Washington, DC, 20 attendees, primary organizer.

Local Past

Baylor College of Dentistry Research Day, yearly from 1999-2014, 100-150 attendees, primary organizer.

Baylor College of Dentistry Faculty Retreat, "Peer Review of Teaching", Session Chair, January, 2006.

Continuing Education Courses:

Preparation & Analysis of Mineralized Tissue. Two hours of lecture on Sample Preparation and two hours of lab on using the Scanning Electron Microscope to analyze mineralized tissues. Yearly 2009 to present.

Baylor College of Dentistry Continuing Education Course on Temporomandibular Joint Disease, 1998, 2012-2014.

Baylor College of Dentistry Continuing Education Course on Implant Placement, 2011-2015

Publications

Abstracts

Spears R, Choate C, Borth M. Let's Listen to Students About Technology. American

Barry C*, Choate C*, Spears R. 2015. Interleukin-23 Affects Pro-inflammatory Cytokine Release in TMJ Inflammation. J Dent Res 94A:2235.

Dizon G^{*}, Hawley J^{*}, Spears R. 2015. Neuropeptide Y Alters Levels of IL-17 During TMJ Inflammation. J Dent Res 94A 2234.

Mack M^{*}, Lively B^{*}, Stevens K Spears R. 2014. Neuropeptide Y Alters Levels of Proinflammatory Cytokines During TMJ Inflammation. J Dent Res 93A:1283.

Stevens K*, Spears R. 2014. The Effects of Interleukins-17 and -10 on TMJ Inflammation. J Dent Res 93A:1409.

Burns C*, Spears R. 2013. TMJ Inflammatory Cytokine Expression After NPY Antibody Treatment. J Dent Res 92A;2225.

Jones S*, Girndt M, Darr R, Spears R. 2013. A Novel Tissue Granulation For Granulation Tissue Removal. J Dent Res 92A;924.

Stevens K*, Barry C, Spears R. 2013. IL-23 Involvement in TMJ Inflammation. J Dent Res 92A;2219.

Williams S*, Komobayashi T, Spears R. 2013. Characterization of UltraCal[™] XS for Endodontics. J Dent Res 92A;2457.

Iwase R*, Spears R, Wright J, Naidu A. 2013. Cytokeratin-19 and Cytokeratin-4 Expression in Localized Juvenile Spongiotic Gingival Hyperplasia. J Dent Res 92A;962.

Higginbotham MG*, McCann A, Schneiderman E, Hinton RJ, Spears R. 2012. Improving the EBD Skills of Dental Students through Curricular Innovation. J Dent Res 91A;721.

Kessler C*, Spears R. 2012. IL-17 and IL-23 Affect Inflammation in the TMJ. J Dent Res 91A;1274.

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Lammert K*, Spears R, Wright J, Naidu A. 2012. Cytokeratin Expression in Localized Juvenile Spongiotic Gingival Hyperplasia. J Dent Res 91A;941.

Lindley A*, Spears R. 2012. Use of a Novel Microstimulatory Device for TMJ Treatment. J Dent Res 91A;1271.

Spears R*, Kessler C. 2011. IL-17 Mediated Effects In Adjuvant-Induced TMJ Inflammation. FASEB.

Mehta N*, Hinton RJ, McCann AL, Spears R. 2011. Evidence Based Dentistry Influences Student Interest in an Academic Career. J Dent Ed; 75:127.

Jones TC*, Spears R. 2011. Analyzing the Effectiveness of Residency Program Websites. J Dent Ed; 75:140.

Darr R*, Harrel SK, Spears R. 2011. Comparison Between A Novel Tissue Granulation Bur And Hand Curettes. J Dent Res 90A;3134.

Kessler C*, Spears R. 2011. IL-17 Mediated Effects In Adjuvant-Induced TMJ Inflammation. J Dent Res 90A;3127.

Khobahy I*, Azargoon H, Williams B, Spears R. 2011. A New Hemostatic Agent For Endodontic Surgical Use. J Dent Res. 90A;3133.

Lindley A*, Spears R. 2011. Growth Factor Levels Are Altered In Mandibular Fractures In Culture. J Dent Res 90A;977.

Puente R*, Spears R. 2011. Interleukin-10 Affects Cytokine Release In TMJ Inflammation. J Dent Res 90A;937.

Vaughn SR*, Spears R. 2011. TMJ Inflammation Produces Altered NPY Receptor Expression In Trigeminal Ganglia. J Dent Res 90A:934.

Burks M*, Spears R, Naidu A, Buschang P. 2011. Viability of mandibular teeth undergoing transport distraction osteogenesis. J Dent Res 90A;3657.

Rogers K*, Ortega AJ, Spears R, Naidu A. 2011. The Distant Effects of Bisphosphonates on Maxillary Alveolar Bone Height. J Dent Res 90A;3591.

Brownlee M*, Priour P, Spears R. 2010. Examination of Neuropeptide Levels During Adjuvant-Induced Inflammation of the TMJ. J Dent Res 89A:1160.

Lee J*, Spears R. 2010. Interleukin-10 and its Effects on Inflammation in TMJ Tissues. J Dent Res 89A:1162.

Liang K*, Priour P, Spears R. 2010. Neuropeptide Y Knockout Results in Altered Levels of Cytokines. J Dent Res 89A:1306.

Priour P*, Spears R. 2010. NPY Knockout Results in Altered Cytokine Levels in Tooth Pulp. J Dent Res 89A:996

Vaughn S*, Spears R. 2010, Changes in Neuropeptide Y Receptor Expression in Inflamed TMJ Tissues. J Dent Res 89A:1161.

Foy C*, Washington J, Fernandez CR, Spears R, Opperman LA. 2010. Biocompatibility of New Generation Endodontic Material. J Dent Res 89A:802.

Gaines LM*, Spears R, Opperman LA, Naidu A. The Effects of 2010. Bisphosphonates on TGF-β3 Expression in Osteoblasts. J Dent Res 89A:620

Blansett J*, Priour P, Spears R. 2009. Changes in TMJ Cytokines After Neuropeptide Y Knockout. J Dent Res 88A:3118.

Doan D*, Olson K, Priour P, Spears R. Osteoclastic Activation In Periapical Lesions After NPY Knockout. J Dent Res 88A:3125.

Mehta N*, Priour P, Spears R. Sympathectomy Produces Alterations in Levels of Proinflammatory Mediators. J Dent Res 88A:2748.

Priour P*, Olson K, Spears R. Effects of Neuropeptide Y on Periapical Lesion Progression in Mice. J Dent Res 88A:3124.

Lee J*, Brownlee M, Spears R, Opperman L, Svoboda KKH, Budinskaya O. Vacuum-induced Vegf expression in a dog gingival model. J Dent Res 88A:2183.

Fike J*, Cozad B, Fernandez CR, Spears R, Nelson C, Opperman L. Phosphate treatment increases osteoblast proliferation on SLA-titanium. J Dent Res 88A:1670.

Hoffman D*, Olson K, Spears R. 2008. Neuropeptide Y Knockout Alters Periapical Lesion Development. J Dent Res 87A:0901.

Davis ND*, Priour P, Spears R. 2008. Immunohistochemical Analysis of Inflammatory Mediators in NPY Knockout Mice. J Dent Res 87A:3526.

Keith A*, Opperman LA, Nelson CJ, Priour P, Spears R. 2008. Investigation of PDL Attachment to Treated Implant Surfaces. J Dent Res 87A:0601.

Davis ND*, Jenkins S, Priour P, Spears R. 2008. Neuropeptide Y Knockout Results in Altered TMJ Neuropeptide Levels. J Dent Res 87A:0501.

Reed J*, Davis ND, Jenkins S, Spears R. 2008. RT-PCR Examination of Proinflammatory Cytokine Levels in NPY Knockout Mice. J Dent Res 87A:0488.

Vaquera K*, Loveless L, Harrington E, Svoboda KKH, Reed J, Spears R. 2008. PTH Stimulated Type X Collagen Deposition is MAP Kinase Dependent. J Dent Res 87A:0113.

Casas C*, Rossouw PE, Buschang PH, Carrillo R, Spears R. 2008. Tissue healing following miniscrew implant damage. J Dent Res 87A:0978.

Hembree M*, Carrillo R, Buschang PH, Rossouw PE, Spears R. 2008. Response to Intentional Root Damage with Miniscrew Implants. J Dent Res 87A:0977.

Jenkins S and Spears R*. 2007. RT-PCR Examination of Nervous System Contribution in TMJ Inflammation. FASEB:775.4.

Bangs S*, Reed J, Svoboda KKH, and Spears R. 2007. The Akt pathway in TGF-Beta3 Induced Fusion of the Palate. J Dent Res 86A:1905.

Jhangiani A*, Jenkins S, and Spears R. 2007. Adjuvant-Induced TMJ Inflammation Produces Changes in Neuropeptide Y Expression. J Dent Res 86A:0706.

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